

## ABSTRACT

3-Deoxyflavonoid compounds and methods for inhibiting T-cell activity and treating diseases and disorders (e.g., autoimmune disorders, inflammatory disorders, diabetes, ALS, MS, rheumatoid arthritis, etc.). In some cases the efficacy and/or duration of action of luteolin and/or other 3-deoxyflavonoid compounds may be increased by administering such compounds along with Rutin, a Rutin congener and/or a Rutin derivative. Also, in some cases, first pass metabolism of luteolin or other 3-deoxyflavonoids may be avoided by administering such compounds by parenteral routes (e.g., routes wherein absorption occurs at sites other than the stomach or intestinal mucosa, such as sublingual, buccal, intranasal, injection, etc.).